

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P324326

Luminaire Tested: **GAN-SA2C-830-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-830-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8526 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

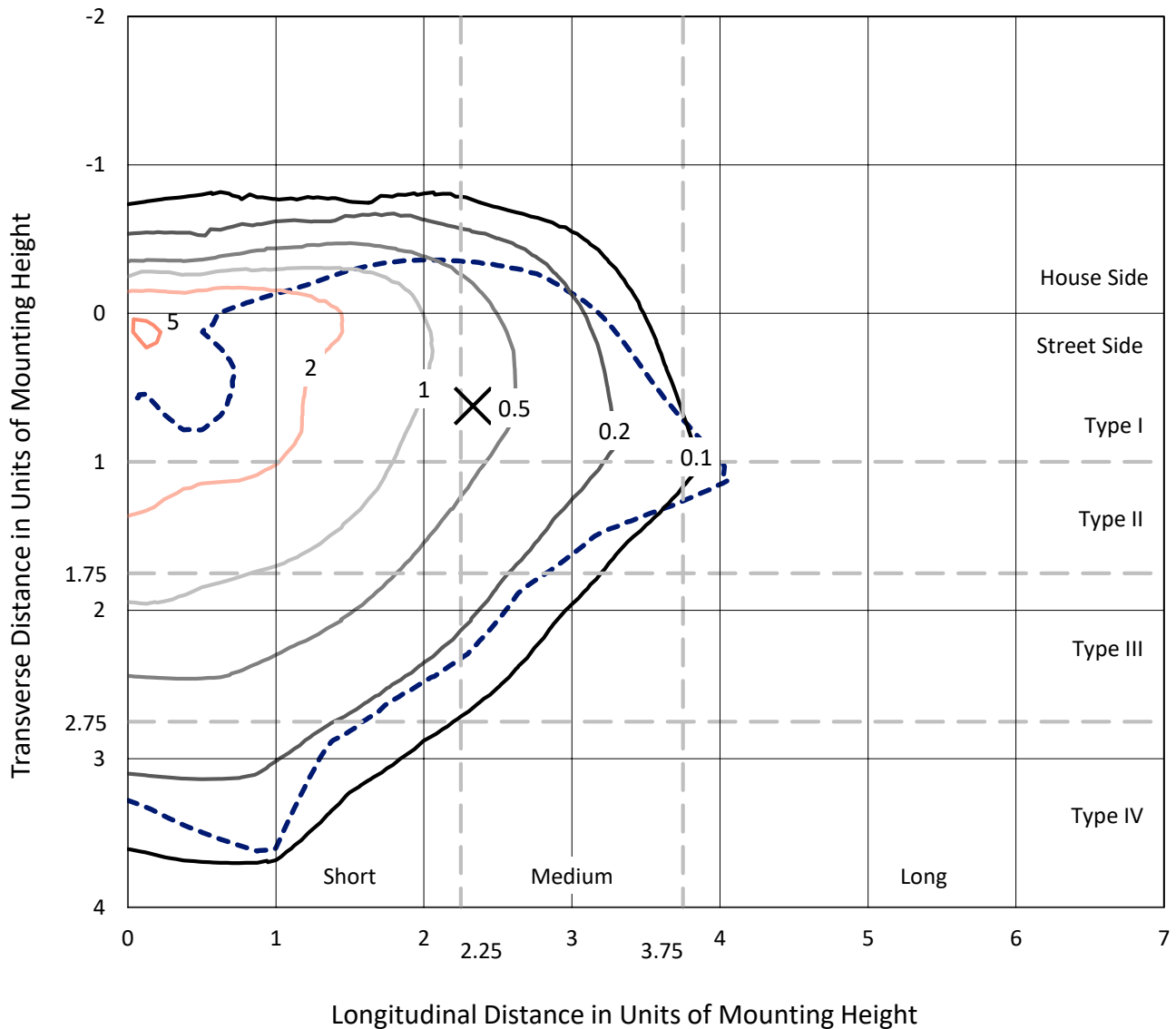
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

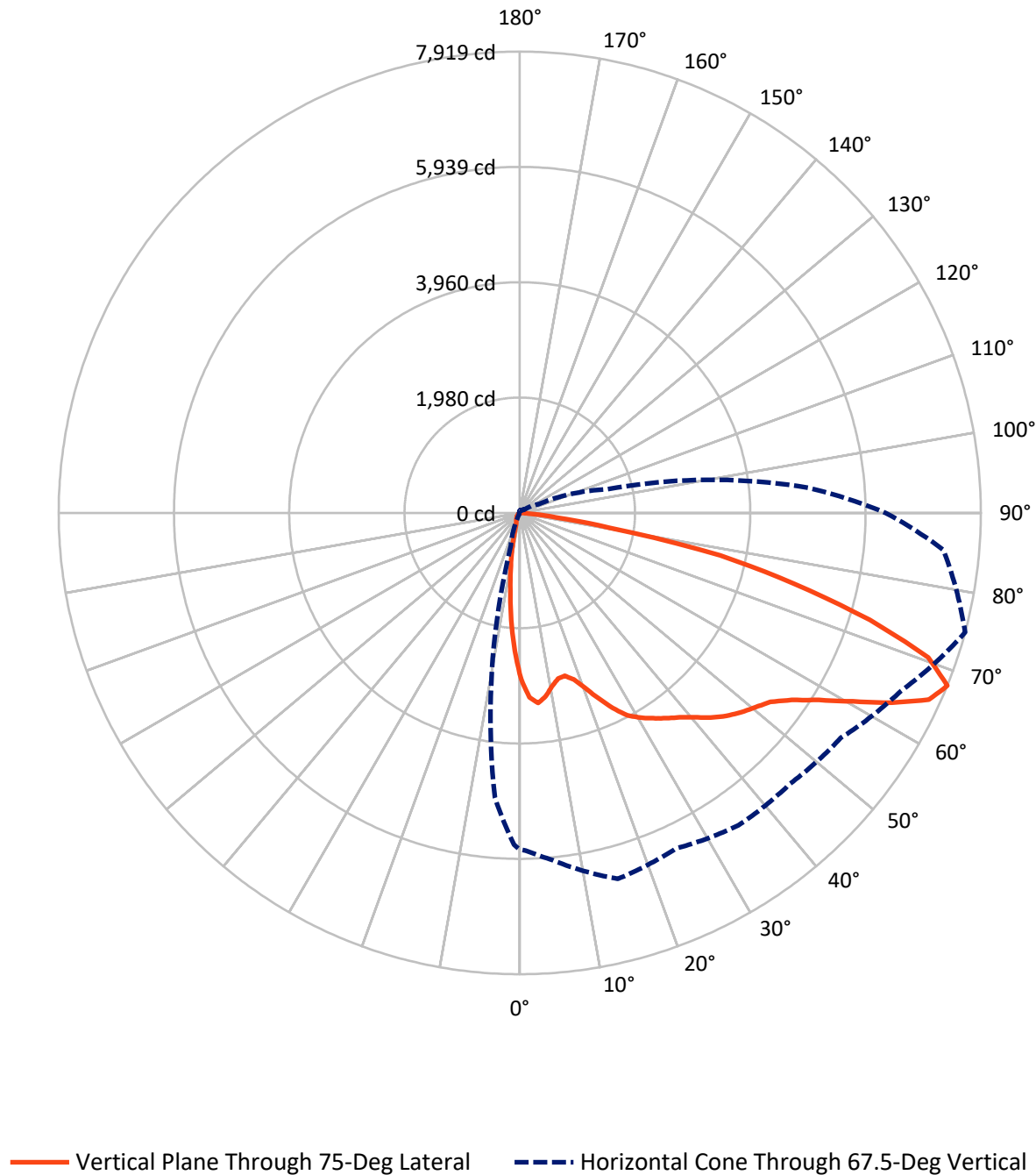
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1279.4	0.0	1279.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	7246.6	0.0	7246.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	8526.0	0.0	8526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.0	2.5
10°-20°	427.2	5.0
20°-30°	604.4	7.1
30°-40°	888.6	10.4
40°-50°	1277.2	15.0
50°-60°	1798.0	21.1
60°-70°	2099.9	24.6
70°-80°	1071.3	12.6
80°-90°	142.3	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8526.0	100.0
0°-180°	8526.0	100.0

Coefficient of Utilization



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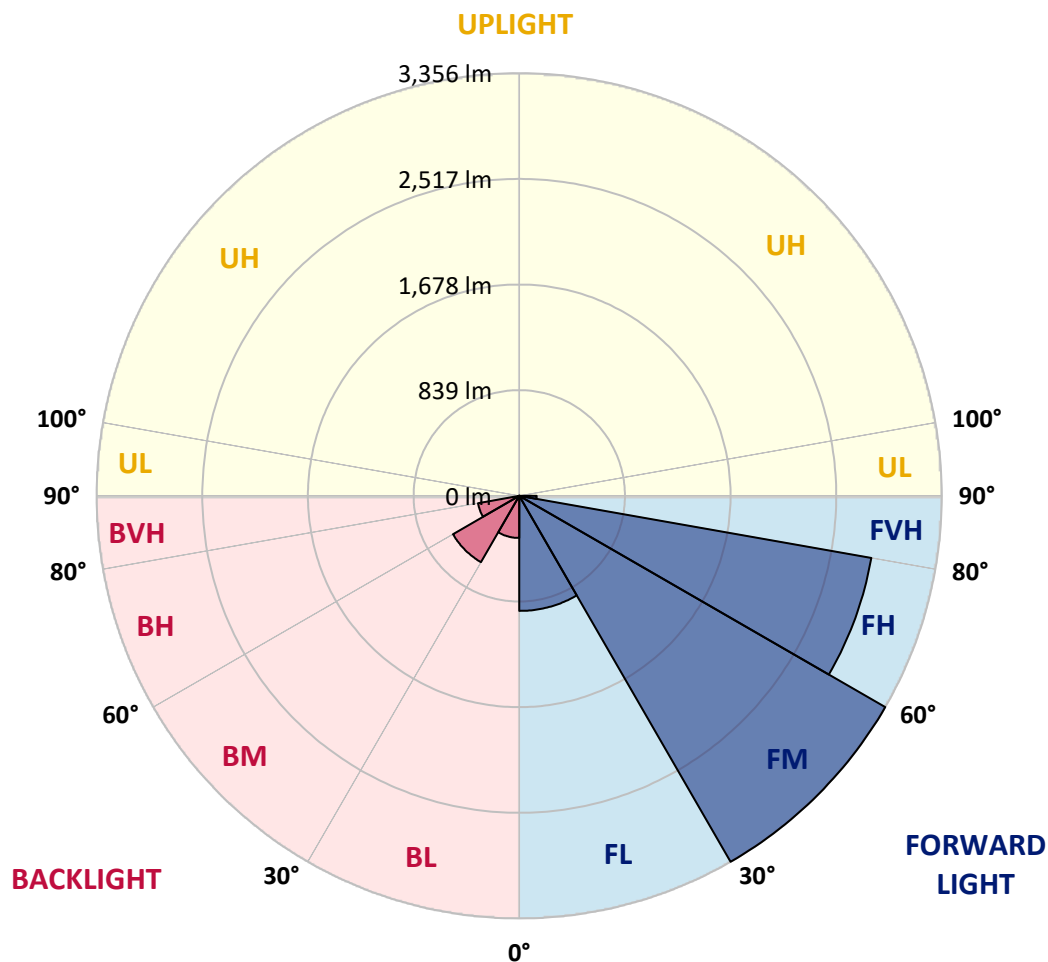
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	914.0	10.7			
FM	(30°-60°)	3355.7	39.4			
FH	(60°-80°)	2838.9	33.3			G2/5000
FVH	(80°-90°)	138.0	1.6			G2/225
BL	(0°-30°)	334.6	3.9	B1/500		
BM	(30°-60°)	608.2	7.1	B1/1000		
BH	(60°-80°)	332.3	3.9	B1/500		G1/500
BVH	(80°-90°)	4.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3
2.5°	3100.6	3105.5	3130.5	3188.7	3252.1	3256.9	3299.8	3255.7	3240.8	3169.7	3096.2
5°	3124.1	3142.6	3228.7	3399.5	3547.7	3595.4	3629.3	3542.9	3452.0	3278.4	3093.0
7.5°	2935.5	2966.5	3101.9	3422.5	3687.5	3804.6	3826.8	3691.5	3469.0	3183.0	2904.4
10°	2693.9	2729.5	2892.6	3286.8	3650.7	3851.5	3882.2	3704.9	3385.0	3028.7	2700.4
12.5°	2498.4	2540.0	2706.9	3134.2	3524.3	3746.5	3807.0	3660.0	3312.3	2919.3	2561.0
15°	2408.4	2456.0	2631.3	3035.6	3384.2	3559.1	3609.1	3545.7	3271.9	2901.9	2528.7
17.5°	2460.1	2511.8	2692.7	3044.1	3252.5	3327.2	3367.6	3393.5	3271.9	3006.5	2623.2
20°	2672.1	2727.9	2919.3	3130.1	3143.5	3115.6	3158.8	3249.7	3309.9	3205.2	2850.2
22.5°	2965.3	3030.8	3246.8	3277.5	3090.1	2984.7	2990.4	3133.0	3378.9	3457.3	3165.3
25°	3322.8	3402.7	3622.5	3497.3	3112.4	2906.8	2904.8	3036.8	3446.4	3709.7	3516.2
27.5°	3677.8	3765.8	3958.9	3765.4	3204.0	2892.6	2888.6	3007.7	3512.2	3934.3	3899.5
30°	3975.5	4061.1	4227.5	3959.7	3303.0	2925.8	2906.4	3038.8	3551.4	4080.1	4179.0
32.5°	4217.8	4286.5	4420.9	4093.4	3408.8	2990.0	2948.0	3122.0	3618.0	4203.3	4435.9
35°	4484.4	4556.7	4610.4	4220.6	3527.5	3082.5	3022.3	3254.1	3720.6	4328.5	4717.4
37.5°	4788.5	4860.4	4853.9	4336.9	3678.2	3235.5	3197.2	3463.3	3880.1	4452.4	5031.6
40°	5086.1	5159.7	5107.2	4464.2	3855.1	3488.0	3459.7	3777.6	4093.8	4611.2	5400.0
42.5°	5364.8	5444.4	5332.1	4584.5	4065.9	3806.2	3854.7	4182.2	4361.2	4806.7	5717.4
45°	5589.4	5670.6	5520.7	4701.6	4288.1	4192.3	4338.1	4630.6	4682.7	4971.8	5931.9
47.5°	5752.6	5829.3	5651.6	4818.8	4572.4	4664.5	4918.5	5100.7	4973.1	5115.2	6084.2
50°	5856.8	5916.5	5690.0	4965.4	4945.6	5215.4	5523.2	5612.0	5246.5	5244.5	6269.1
52.5°	5923.0	5950.1	5718.2	5118.5	5334.9	5815.2	6115.3	6143.1	5528.0	5386.6	6518.3
55°	6151.2	6173.0	5918.6	5303.8	5656.8	6340.6	6650.8	6625.0	5846.7	5664.9	6812.4
57.5°	6540.5	6563.6	6332.5	5570.4	5917.3	6665.3	7038.9	7085.4	6220.3	6055.9	7127.4
60°	6736.0	6778.8	6696.4	5908.1	6169.8	6872.9	7303.5	7451.7	6687.2	6571.2	7432.7
62.5°	6558.7	6620.9	6740.5	6282.5	6420.6	6987.2	7385.9	7583.0	7165.4	7171.8	7620.9
65°	6204.9	6254.6	6457.3	6487.6	6566.0	6973.1	7182.3	7399.6	7458.2	7723.5	7610.8
67.5°	5777.6	5796.2	5968.2	6503.8	6355.2	6548.2	6570.8	6731.6	7226.7	7919.0	7305.1
70°	5162.5	5172.6	5322.8	5963.0	5461.4	5503.8	5470.2	5503.0	6213.0	7442.8	6533.3
72.5°	4154.8	4180.2	4393.9	4952.1	3978.7	3856.3	4119.6	4105.1	4784.8	6288.1	4852.3
75°	3059.0	3103.1	3425.8	3988.8	2792.5	2525.9	2718.2	2769.5	3401.5	4864.0	3034.4
77.5°	2141.8	2174.5	2487.1	2932.2	2021.1	1806.2	1736.7	1797.7	2245.2	3518.7	1528.7
80°	1233.9	1246.0	1445.5	1693.1	1361.9	1558.2	1411.6	1453.6	1345.3	1565.5	657.5
82.5°	807.4	809.4	887.3	1007.7	848.2	985.5	729.4	932.6	827.6	628.9	214.1
85°	436.2	438.6	514.6	715.3	480.2	271.4	159.5	327.6	511.7	144.2	58.6
87.5°	48.1	44.0	155.1	260.1	133.3	24.6	8.5	36.8	82.0	9.3	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3
2.5°	3058.6	3025.1	2941.5	2853.1	2782.0	2715.3	2648.3	2566.3	2502.9	2490.0	2469.0
5°	2993.2	2887.0	2711.7	2535.6	2393.8	2214.9	2101.4	2013.0	1926.5	1921.3	1903.9
7.5°	2764.6	2624.9	2378.1	2134.5	1935.0	1764.6	1592.5	1477.4	1386.9	1355.0	1336.1
10°	2544.9	2387.8	2079.6	1801.7	1623.6	1473.0	1351.8	1231.5	1122.4	1047.3	1013.4
12.5°	2391.4	2217.7	1878.1	1638.6	1510.9	1368.0	1220.1	1069.9	944.3	853.8	798.5
15°	2332.0	2146.7	1810.6	1573.9	1416.4	1235.5	1046.5	874.8	735.5	653.5	603.8
17.5°	2402.7	2187.0	1805.4	1495.2	1275.1	1050.1	841.3	638.5	507.3	445.1	413.2
20°	2582.0	2315.5	1803.4	1398.7	1107.1	830.4	569.9	420.0	340.5	305.7	290.8
22.5°	2835.7	2479.5	1819.5	1303.3	932.2	593.3	393.4	308.6	267.8	249.2	240.7
25°	3162.0	2709.7	1865.1	1216.9	767.8	442.7	306.6	258.5	229.8	215.3	209.2
27.5°	3509.8	2974.6	1936.2	1141.8	634.1	353.0	262.5	221.3	200.7	190.6	185.0
30°	3796.5	3281.6	2008.1	1058.2	537.2	307.8	240.3	201.9	178.1	171.7	166.4
32.5°	4047.4	3513.8	2059.0	982.7	473.8	273.4	217.3	180.5	164.4	151.9	146.2
35°	4307.1	3707.3	2057.4	929.7	430.1	247.6	197.9	161.6	142.2	127.6	123.2
37.5°	4588.2	3925.8	2022.3	884.5	411.2	227.0	187.0	151.5	132.1	117.5	111.9
40°	4917.3	4155.2	1986.3	842.1	405.9	210.4	179.3	143.4	122.8	108.6	103.0
42.5°	5238.0	4362.0	1954.8	810.6	383.3	210.0	172.5	137.3	115.5	101.8	95.3
45°	5494.5	4554.6	1948.8	791.6	359.5	217.3	168.8	133.3	109.9	96.1	90.1
47.5°	5707.7	4763.8	1987.5	778.3	336.8	198.3	177.7	130.5	104.6	91.3	84.4
50°	5961.4	5020.7	2078.8	756.5	313.0	178.5	203.6	131.3	100.2	86.4	79.2
52.5°	6315.2	5376.1	2212.9	719.7	280.3	160.3	200.3	132.1	95.3	81.2	73.9
55°	6711.8	5820.0	2357.1	658.7	234.7	136.5	171.7	126.4	86.0	75.5	68.7
57.5°	7128.6	6222.7	2442.7	586.0	186.6	117.9	137.3	115.1	75.9	67.9	63.4
60°	7194.0	6375.8	2403.5	496.8	148.2	102.6	101.8	117.1	67.9	59.8	56.5
62.5°	7031.3	6183.5	2214.1	417.2	124.0	90.1	83.6	102.2	61.4	53.3	50.1
65°	6718.3	5663.7	1907.2	376.0	115.1	77.1	69.5	71.9	53.7	46.4	43.6
67.5°	6282.9	4969.8	1565.9	352.6	113.9	66.2	59.4	54.5	46.4	40.4	38.0
70°	5392.7	4140.2	1249.2	339.7	110.7	55.7	50.1	44.4	38.8	34.3	32.3
72.5°	3969.0	2933.8	971.8	325.5	111.5	44.4	43.6	36.8	31.1	26.7	25.8
75°	2293.3	1676.1	637.3	263.7	106.2	34.3	36.3	25.8	21.8	18.6	18.6
77.5°	1222.2	1022.2	242.7	109.9	38.8	21.8	20.6	15.3	13.7	11.3	10.9
80°	532.7	449.9	73.1	30.7	21.4	11.7	7.7	6.9	6.1	4.8	4.4
82.5°	188.6	162.8	23.8	14.9	9.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	42.8	30.7	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3
2.5°	2426.1	2417.3	2364.8	2366.8	2376.1	2389.4	2357.9	2372.4	2411.6	2449.2	2463.3
5°	1876.1	1878.1	1846.2	1866.0	1883.7	1895.8	1845.0	1845.8	1876.9	1919.3	1941.5
7.5°	1321.9	1318.7	1320.3	1367.6	1401.1	1376.9	1395.8	1330.0	1334.0	1364.3	1341.7
10°	982.7	938.2	913.2	948.7	985.5	972.2	939.4	918.0	933.0	966.5	964.1
12.5°	772.2	708.4	670.9	645.4	675.7	650.7	649.9	631.3	611.1	614.7	668.4
15°	580.8	534.3	489.9	449.1	448.3	439.8	396.6	348.2	344.1	346.5	374.4
17.5°	399.4	383.7	365.5	330.4	321.1	285.5	243.5	224.2	214.5	218.9	228.2
20°	280.7	274.6	276.7	257.7	244.4	210.4	185.8	178.1	176.5	180.9	185.4
22.5°	232.6	221.7	220.5	212.0	198.7	174.1	160.7	156.3	154.3	158.3	161.6
25°	203.6	192.7	188.2	183.0	168.8	151.9	143.8	139.7	137.7	140.1	142.2
27.5°	179.3	169.2	165.2	161.6	147.8	135.7	129.2	125.6	124.0	124.8	126.8
30°	161.2	152.3	147.0	142.6	130.9	122.4	116.7	113.1	111.5	111.5	113.5
32.5°	142.2	137.3	132.5	126.8	115.9	110.3	104.6	100.6	99.0	99.4	101.0
35°	118.3	116.7	117.9	112.7	103.4	98.5	92.9	88.5	87.2	87.6	89.3
37.5°	105.0	97.7	102.2	99.4	94.1	87.6	80.4	76.3	74.3	75.5	76.3
40°	96.5	87.6	84.4	87.2	86.4	75.9	69.5	65.4	63.8	64.2	65.0
42.5°	89.3	78.8	71.5	71.1	75.9	66.2	59.4	55.7	53.7	53.7	54.5
45°	82.4	71.1	62.2	55.3	63.8	56.1	49.7	46.4	44.0	44.0	44.4
47.5°	77.1	64.6	54.1	45.2	48.1	46.0	40.8	37.6	35.1	35.1	35.5
50°	72.3	58.2	46.9	38.0	35.9	38.0	33.1	29.5	27.9	27.5	28.3
52.5°	67.0	51.7	40.0	32.3	28.3	28.7	25.8	23.4	21.4	21.4	22.2
55°	61.8	46.4	34.7	27.5	23.4	21.4	20.6	19.0	17.4	17.4	18.2
57.5°	56.5	40.8	29.5	22.6	18.6	17.0	17.0	15.8	14.5	14.5	15.3
60°	51.7	35.1	24.2	18.6	14.5	14.1	14.5	13.3	12.5	12.5	13.3
62.5°	46.0	29.9	19.8	15.3	11.7	11.3	12.5	11.7	10.9	10.9	11.7
65°	39.2	25.4	15.8	11.7	8.9	8.9	10.5	9.7	8.9	8.9	9.7
67.5°	33.1	21.4	12.1	8.5	6.5	6.9	8.9	8.1	7.7	7.7	8.5
70°	27.5	16.6	8.5	5.3	3.6	5.3	6.9	6.9	6.9	6.9	7.7
72.5°	20.6	11.3	4.8	2.0	1.6	3.6	5.7	6.5	6.1	6.1	7.3
75°	13.3	6.5	1.6	0.0	0.0	2.0	4.4	5.3	5.3	4.8	6.1
77.5°	7.7	2.0	0.0	0.0	0.0	0.0	2.8	2.4	2.0	1.6	2.8
80°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3	2860.3
2.5°	2520.3	2567.9	2635.0	2706.0	2815.5	2902.3	2987.6	3060.7	3088.9	3100.6
5°	1994.8	2064.7	2162.8	2288.8	2486.3	2664.0	2844.2	3025.5	3104.3	3124.1
7.5°	1431.4	1520.6	1645.4	1803.4	2034.8	2265.0	2516.6	2782.8	2904.8	2935.5
10°	1059.4	1168.4	1311.4	1477.8	1698.7	1935.4	2209.7	2513.8	2653.1	2693.9
12.5°	751.6	899.1	1090.5	1292.8	1484.3	1695.5	1973.0	2308.2	2454.4	2498.4
15°	441.4	584.0	810.6	1081.6	1326.8	1540.8	1822.7	2202.8	2364.0	2408.4
17.5°	253.2	324.3	495.6	797.7	1130.5	1426.9	1775.5	2229.1	2418.9	2460.1
20°	193.5	216.1	285.5	513.7	901.1	1315.1	1775.5	2377.7	2611.5	2672.1
22.5°	169.2	185.8	214.1	306.6	663.2	1195.1	1796.1	2592.6	2898.3	2965.3
25°	150.2	165.2	189.4	230.6	452.4	1052.5	1845.0	2856.3	3235.9	3322.8
27.5°	134.5	148.6	170.4	201.9	309.4	880.5	1910.8	3165.7	3608.3	3677.8
30°	120.4	133.7	153.5	175.7	238.7	685.4	1966.9	3457.3	3900.7	3975.5
32.5°	107.0	119.1	136.9	153.5	195.5	506.9	1973.0	3688.3	4143.5	4217.8
35°	94.5	105.4	121.6	134.5	162.0	400.3	1878.9	3888.6	4386.2	4484.4
37.5°	82.4	92.9	107.0	116.7	142.6	326.3	1735.1	4112.0	4697.6	4788.5
40°	71.1	80.4	94.9	101.4	134.9	250.8	1578.8	4346.2	5002.9	5086.1
42.5°	60.6	69.5	83.6	96.1	118.3	187.4	1410.0	4565.9	5277.6	5364.8
45°	50.5	59.8	73.9	101.8	98.1	140.1	1229.4	4711.7	5494.5	5589.4
47.5°	40.8	51.3	70.7	96.9	78.4	103.0	1086.5	4849.9	5658.9	5752.6
50°	32.7	43.2	79.6	86.4	64.2	78.8	1026.7	4973.5	5766.7	5856.8
52.5°	26.7	36.3	75.1	66.2	53.7	65.0	1059.0	5173.8	5866.5	5923.0
55°	22.2	28.7	45.2	46.0	45.6	55.3	1099.0	5461.4	6124.5	6151.2
57.5°	19.4	23.0	31.5	35.5	38.4	49.3	1099.8	5874.1	6524.0	6540.5
60°	16.6	20.2	26.3	28.7	33.1	44.0	1059.8	6018.3	6681.1	6736.0
62.5°	14.5	17.8	21.8	23.8	27.9	39.6	966.1	5809.5	6465.4	6558.7
65°	12.9	16.2	18.2	20.2	24.6	35.5	811.8	5391.9	6107.6	6204.9
67.5°	11.3	14.1	16.2	18.2	22.2	31.5	597.8	4906.8	5696.8	5777.6
70°	10.1	12.5	14.5	16.2	19.4	26.7	362.7	4163.7	5129.0	5162.5
72.5°	9.7	11.3	13.3	14.5	17.0	23.4	183.8	3059.8	4100.3	4154.8
75°	8.5	10.1	12.1	12.9	14.9	20.2	74.7	2009.7	2971.4	3059.0
77.5°	6.9	9.3	10.9	11.7	12.9	16.6	38.0	1284.4	2085.3	2141.8
80°	2.4	6.9	9.3	9.7	10.9	12.1	25.0	703.2	1209.6	1233.9
82.5°	0.0	4.4	7.3	6.9	7.7	9.3	16.2	334.4	798.5	807.4
85°	0.0	2.0	5.7	4.4	3.2	6.5	5.7	73.1	418.8	436.2
87.5°	0.0	0.0	0.4	2.0	1.6	2.4	0.8	0.4	38.0	48.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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